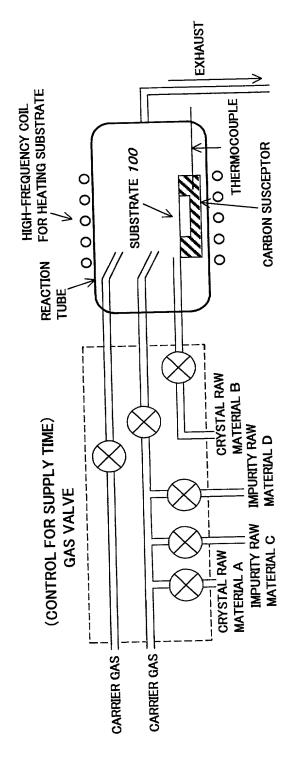
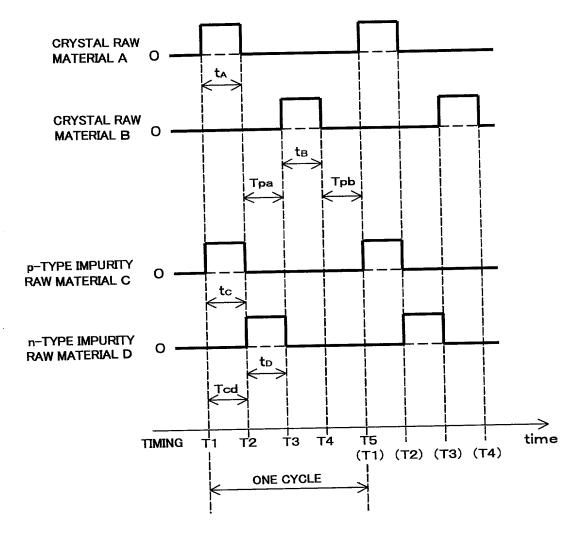
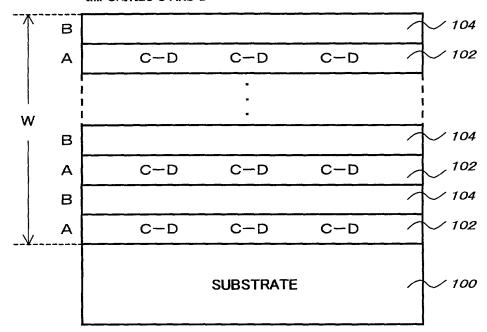
F T G. 1



SEQUENCE OF PULSE FOR RAW MATERIAL SUPPLY



SCHEMATIC VIEW SHOWING SECTION OF A-B CRYSTAL ALLOWED TO GROW BY SIMULTANEOUS DOPING OF IMPURITIES C AND D



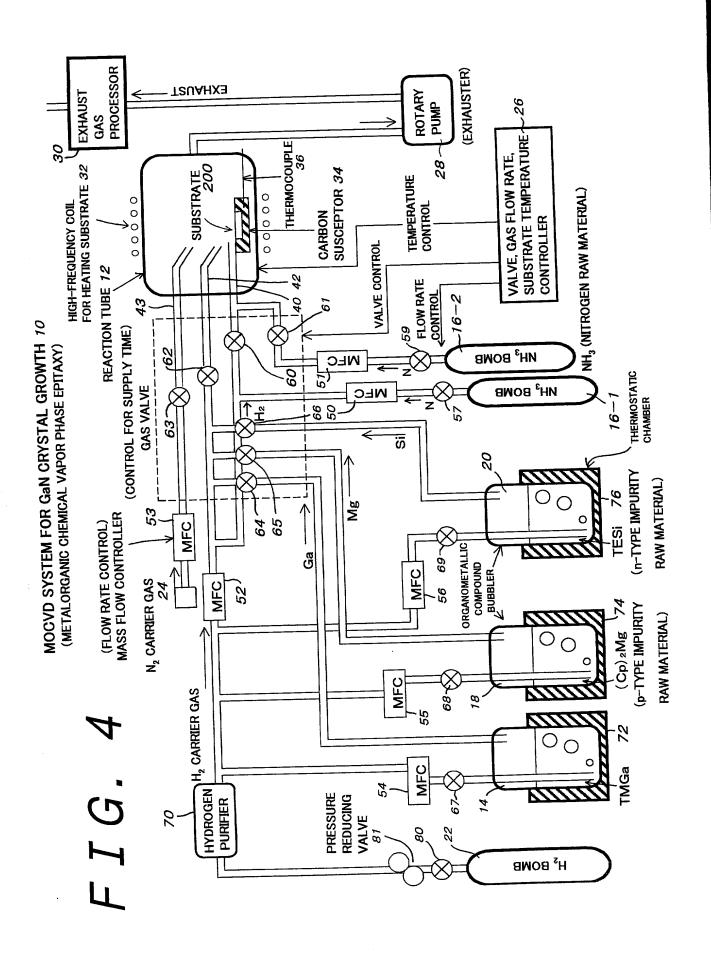
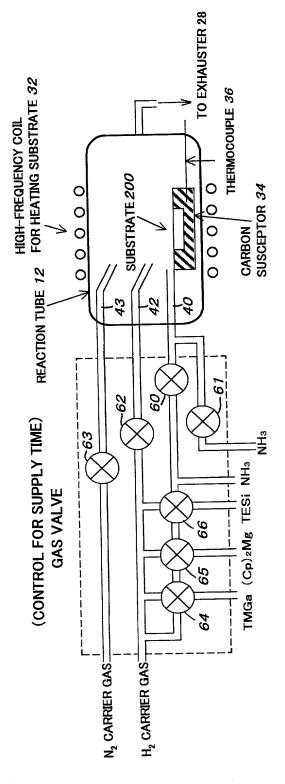
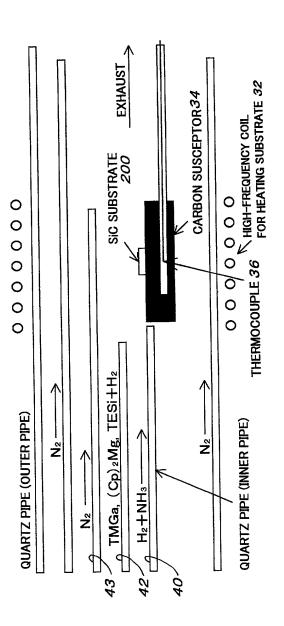


FIG. 5

MOCVD SYSTEM 10 (METALORGANIC CHEMICAL VAPOR PHASE EPITAXY)



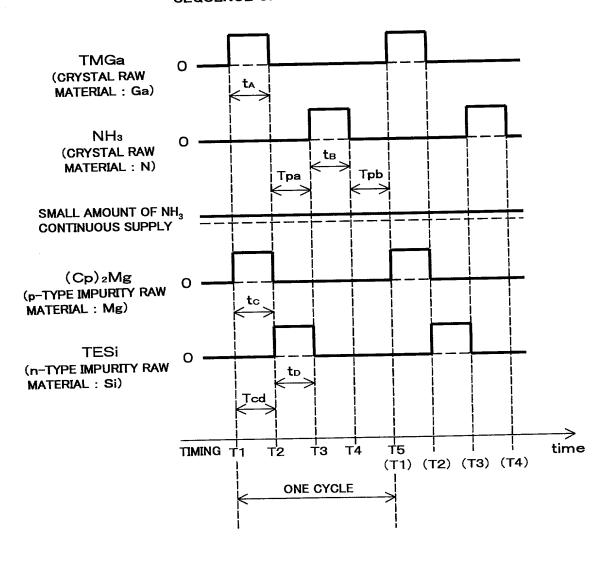
SCHEMATIC VIEW OF MOCVD REACTION TUBE



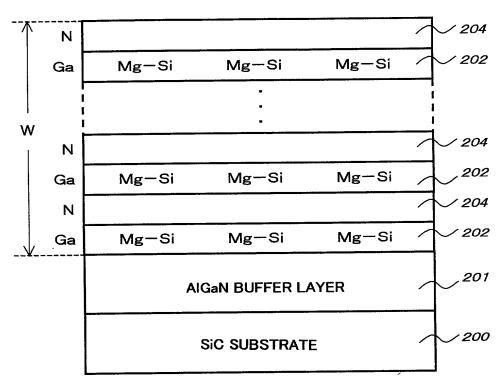
(GROWTH CONDITION)
PRESSURE IN REACTION TUBE: 76Torr,
SUBSTRATE TEMPERATURE: 950∼1, 150°C

H₂ GAS FLOW RATE: TWO TO FIVE LITER/MINUTE N₂ GAS FLOW RATE: ONE TO THREE LITER/MINUTE NH₃ GAS FLOW RATE: ONE LITER/MINUTE

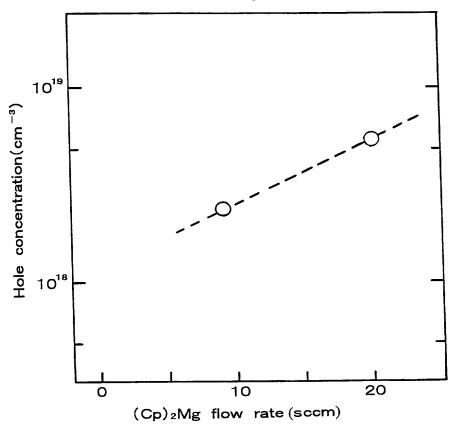
SEQUENCE OF PULSE FOR RAW MATERIAL SUPPLY



SCHEMATIC VIEW SHOWING SECTION OF GAN CRYSTAL ALLOWED TO GROW BY SIMULTANEOUS DOPING OF Mg AND Si



POSITIVE HOLE CONCENTRATION OF p-TYPE GaN TO SUPPLY FLOW RATE OF Mg RAW MATERIAL



POSITIVE HOLE CONCENTRATION OF p-TYPE GaN TO SUPPLY FLOW RATE OF SI RAW MATERIAL IN CASE OF SIMULTANEOUS SUPPLY OF Mg AND SI RAW MATERIALS

